

## Message Text

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PAGE 01 ABIDJA 02212 041613Z

ACTION EB-08

INFO OCT-01 AF-08 ISO-00 L-03 IO-13 NSC-05 AID-05 CIAE-00  
COME-00 FRB-01 INR-07 NSAE-00 USIA-15 XMB-04 OPIC-06  
SP-02 LAB-04 SIL-01 OMB-01 H-02 IGA-02 /088 W  
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FM AMEMBASSY ABIDJAN

TO DEPT OF TREASURY PRIORITY

INFO SECSTATE WASHDC 2318

UNCLAS ABIDJAN 2212

AFDF

E.O. 11652: N/A

TAGS: AFDB, EFIN, EAID

SUBJ: RESPONSE TO CONGRESSIONAL INQUIRY

REFERENCE TREAS 77-25

1. ENVIRONMENTAL CONSIDERATIONS: THERE FOLLOWS TEXT OF  
MEMORANDUM WHICH AFDP MANAGEMENT PROVIDED US REP IN RESPONSE  
TO INQUIRY REGARDING ENVIRONMENTAL CONSIDERATIONS IN PROJECT  
DEVELOPMENT:

BEGIN TEXT - THE BANK DOES EXAMINE AND APPRAISE THE INFLUENCE  
OF PROJECTS ON ENVIRONMENTAL FACTORS WHERE APPLICABLE. SUCH  
PROBLEMS ARE GENERALLY PREVALENT IN HEAVY INDUSTRIAL PROJECTS,  
LARGE SCALE AND IRRIGATED AGRICULTURE, WATER AND SEWAGE, ETC.  
CONSULTANTS WHO PREPARE FEASIBILITY STUDIES ARE REQUIRED TO  
EVALUATE AND PROVIDE SOLUTIONS FOR ADVERSE ECOLOGICAL INFLUENCES  
WHICH MAY RESULT FROM IMPLEMENTATION OF SPECIFIC PROJECTS.  
THE BANK APPRAISAL MISSIONS THEREFORE ASSESS THESE FACTORS  
AND ENSURE THAT THEY ARE PROPERLY IDENTIFIED AND THAT ADEQUATE  
SAFEGUARDS ARE INCORPORATED IN THE PROJECT.

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PAGE 02 ABIDJA 02212 041613Z

SOME FACTORS CONSIDERED INCLUDE PROPER SELECTION OF PLANT  
SITES IN ORDER TO MINIMIZE ANNOYANCE OF SOUND, SMOKE, OR ODOR  
TO NEARBY COMMUNITIES, ATTEMPTS ARE MADE TO CONTROL FLYING  
ASHES AND EMISSION OF HARMFUL CHEMICALS. EQUIPMENT AND RELATED  
FACILITIES FOR TREATMENT OF FACTORY EFFLUENTS ARE INCORPORATED  
IN THE PROJECT. IN AGRICULTURE THE EFFECT OF SOIL EROSION ON  
FERTILITY AND CROPPING PATTERN IS EXAMINED CLOSELY. SIDE

EFFECTS OF IRRIGATION PROJECTS WITH POSSIBLE SPREADING OF BILHARZIA ARE ALSO EXAMINED AND APPROPRIATE MEASURES ARE INCORPORATED.

THESE AND OTHER INFLUENCES AFFECTING THE ECOLOGICAL BALANCE AND ENVIRONMENT ARE STUDIED THOUGH THEY MAY NOT BE DEALT WITH IN SEPARATE SECTIONS IN APPRAISAL REPORTS. AS THE FUND'S ACTIVITY EXPANDS WE HOPE TO DEVELOP SPECIFIC CHECK LISTS FOR PROJECT-RELATED ENVIRONMENTAL PROBLEMS ALONG WITH OTHER REFINEMENTS IN PROJECT PREPARATION, APPRAISAL AND EVALUATION. -  
END TEXT.

2. MANAGEMENT HAS NOT HAD OCCASION TO REFUSE FUNDING OF A PROJECT ON BASIS OF ENVIRONMENTAL CONSIDERATIONS, NOR HAS PROJECT BEEN "CHANGED" BECAUSE OF ENVIRONMENTAL PROBLEMS. RATHER, EXISTING AND POTENTIAL ENVIRONMENTAL PROBLEMS ARE OPTIMALLY FACTORED OUT AS PROJECT IS DEVELOPED. MANAGEMENT POINTS TO AMIBARA IRRIGATION PROJECT IN ETHIOPIA AS INDICATIVE OF THIS APPROACH TO PROJECT DEVELOPMENT. (SECTION 1.15 OF APPRAISAL REPORT DESCRIBES ENVIRONMENTAL MEASURES.)

3. LIGHT CAPITAL TECHNOLOGY: AFDF SEEKS TO INCORPORATE APPROPRIATE TECHNOLOGY INTO DESIGN AND IMPLEMENTATION OF PROJECTS. TECHNOLOGY IS GENERALLY OF LIGHT CAPITAL NATURE AND TO EXTENT POSSIBLE, CONSTRUCTION METHODS ARE LABOR INTENSIVE. REVIEW OF PROJECTS INDICATES THAT IN FEW INSTANCES WHERE HEAVY EQUIPMENT SUCH AS BULLDOZERS IS USED, THIS CAPACITY IS SUBSTANTIALLY AUGMENTED BY USE OF LIGHT AND MID-LEVEL TECHNOLOGY SUCH AS BASIC HAND TOOLS, HAND ROLLERS, HAND GRADERS,  
UNCLASSIFIED

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PAGE 03 ABIDJA 02212 041613Z

AND MANUAL EARTH TRANSPORT EQUIPMENT. EXCELLENT EXAMPLE OF VARIED LEVELS OF TECHNOLOGY BEING INCORPORATED INTO PROJECT DESIGN EXISTS IN UPPER VOLTA EARTH DAM PROJECT. (AFDF 4.5 MILLION FUA LOAN APPROVED 12/75.) PROJECT DESIGN CALLS FOR USE OF BULLDOZERS. HOWEVER, DAM CONSTRUCTION WILL BE EFFECTED PRIMARILY THROUGH USE OF LIGHT MECHANICAL AND HAND EQUIPMENT UTILIZING ABUNDANT LABOR SUPPLY.

4. SIGNIFICANT EXAMPLES OF LIGHT CAPITAL TECHNOLOGY IN AFDF SPONSORED PROJECTS INCLUDE:

A. MALAWI NAMWERA RURAL DEVELOPMENT PROJECT (AFDF 5 MILLION FUA LOAN APPROVED 10/76). PROJECT INCLUDES CONSTRUCTION OF 30 SIMPLE BOREHOLE WELLS. CREDIT SCHEME FOR PURCHASE OF OXEN AND OXEN-DRAWN EQUIPMENT SUCH AS TILLERS AND TRANSPORT DEVICES ALSO INCLUDED.

B. CHAD SATEGUI-DERESSIA AGRICULTURE PROJECT (AFDF 4 MILLION FUA LOAN I APPROVED 3/74; AFDF 4 MILLION FUA LOAN II APPROVED 10/76). RICE DEVELOPMENT PROJECT WHICH INCLUDES CONSTRUCTION

OF ACCESS ROADS USING HAND TOOLS. PROJECT ALSO PROVIDES FOR HAND TILLERS AND LIGHT SPRAYING EQUIPMENT. PLASTIC PIPE IS USED IN IRRIGATION ASPECTS OF PROJECT.

C. MALI OPERATION WELLS PROJECT (AFDF 5 MILLION FUA LOAN K APPROVED 1/73; AFDF 1 MILLION LOAN II APPROVED 4/74). PROJECT PROVIDES FOR 296 BOREHOLE WELLS. CONSTRUCTION INCORPORATES USE OF LIGHT POWER WINCHES, COMPRESSORS AND COMPRESSED AIR TOOLS AND SUMP PUMPS, IN ADDITION TO POWER DRILLS.

D. MALI KATIBOUGOU RURAL POLYTECHNIC EXTENSION PROJECT (AFDF 5 MILLION FUA LOAN APPROVED 10/75). THIS EDUCATION PROJECT IS DESIGNED IN PART TO INSTRUCT RURAL FARMERS IN USE OF LIGHT AND MID-LEVEL TECHNOLOGY FARM EQUIPMENT. PROJECT PROVIDES FOR PURCHASE OF SUCH EQUIPMENT FOR INSTRUCTIONAL PURPOSES.

E. CHAD DEVELOPMENT OF POLDERS PROJECT (AFDF 4.5 MILLION FUA LOAN APPROVED 12/75). PROJECT INCLUDES IRRIGATION ELEMENT WHICH UTILIZES SMALL PUMPING STATION TO DRAW WATER FROM LAKE CHAD. PLASTIC PIPE ACTS AS CONDUIT TO IRRIGATION CHANNELS.  
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PAGE 04 ABIDJA 02212 041613Z

LIGHT CROP SPRAYING EQUIPMENT AND PLASTIC CROP STORAGE UNITS ARE ALSO PROVIDED. PROJECT INCLUDES CREDIT SCHEME TO ASSIST INDIVIDUAL FARMERS IN PURCHASING HAND TILLERS AND FERTILIZER.  
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## Message Attributes

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